SCREW AIR COMPRESSORS

DIESEL TO AIR SOLUTION

AIR DELIVERY:
30-1600CFM

WORKING PRESSURE:
7-35BAR

POWERINK
Energy Systems
Power Link the World

AIR COMPRESSOR

DRIVEN BY DIESEL ENGINE

OVERVIEW

Our diesel driven screw air compressors' main features are: strong power, stable performance, efficiency and environmental friendliness. From stationary units to portable sets, it is all designed to provide our clients with a range of options to satisfy different application needs.

The maximum reach that PowerLink Air Compressors can reach is up to 30 Bars, with a power of 383kW. Alongside with an easy operation system, the machine can be started with a push of a button. Sounproofing techniques have been adopted to reduce the noise to the lowest possible to keep disturbance to a minimum.

APPLICATION

Rental

Mining

Factory

Outdoor Constructions

Port

AVAILABLE TYPES

Working pressure: 7-35Bar
Air delivery: 30-1589CFM
Pressure vessel standard: ASME, DIR, GB

SPIRIT TYPE (SMALL)

Air delivery:	30-200CFM
Working pressure:	7-15 Bar
Engine brand:	Kubota, Powerlink, Cummins

EAGLE TYPE (MIDDLE)

Air delivery:	200-850CFM
Working pressure:	7-24 Bar
Engine brand:	Cummins, Kubota

HEAVY TYPE (BIG)

Air delivery:	730-1589CFM
Working pressure:	7-35 Bar
Engine brand:	Cummins

AIR COMPRESSOR

30~1589CFM

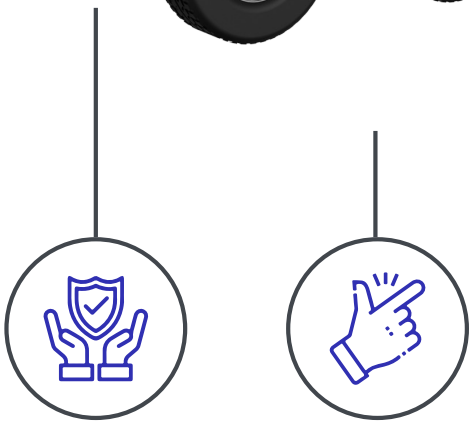
Reliable. Powerful. Durable.

FEATURES

EXCELLENT SAFETY PERFORMANCE

Information Security

- Monitor the operational parameters in real time.
- Multiple data display, monitor, warning and shutdown functions.
- Operational Safety.
- Protection covers for radiator and high-speed rotating parts and high-temperature cloth for the heat pipe.
- Low water level protection of Radiator.
- Battery isolator switch prevent sudden starting up during maintenance.
- Air-oil separator and air filter alerts for periodic maintenance.
- Advanced Waterproof and Dustproof Design.
- Rainproof and Dustproof design for the control cabinet.



OPERATION FRIENDLY

Personalized Design

- Reliable automatic functions make operation simple and unattended operation possible;
- Real-time monitoring can be achieved on the microprocessor in control system;
- Starting up and fault automatic alarm device.
- Multiple languages are optional.
- Emergency stop button is convenient under emergency or overhaul circumstance.
- Multiple warning and shutdown protection functions.
- Convenient refueling water device;
- Large fuel tank ensures at least 8+ hours continuous running under full load.
- The inlet pipe is equipped with a fuel check valve and electronic fuel pump;
- Battery isolator switch, fuel pump, fuel gauge, folder, and control cabinet are located on the same side to facilitate operation.
- All external parts of unit and internal parts are labelled for safety.

Easy Maintenance

- Twin screw rotors with less quick-wear parts enable a long service life;
- POWERLINK high-quality synthetic lubricating oil;
- Easily-replaced air-oil separator, double air filter and optional pre-filtering system enables the machine to be used in harsh and dusty environments, such as mining and outdoor works.
- Gull-wing wide openable door structure and removable shutters on the front and rear, ensure the best angle and operational space during maintenance;
- Integrated drain outlet installed at the chassis of unit is convenient for maintenance.
- Ladders available for the larger type air compressors which are convenient for inspection, watering and machine lifting.
- Easy Transportation
- The chassis has dragging functional parts, which are friendly for mine sites, the rental market and other industries.
- Economical size design;
- Double hanger structure can guarantee the lifting center without affecting operation and maintenance space.

MAIN COMPONENTS

Germany GHH Air end or equivalent

- Longer life
- High volumetric efficiency
- Low noise
- High load resistant

High quality Engine

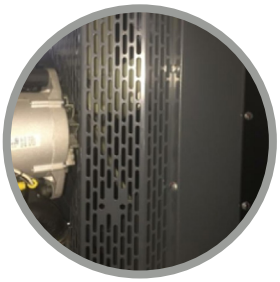
- Emission standard up to Tier 3;
- Integral cylinder design reduces 25% parts than similar equipment;
- KUBOTA, DEUTZ, CAT, CUMMINS and PowerLink engine available.

Filter System

- Two stage air filtrations
- Remove 99.99% particles above 3 microns
- Automatic replacement reminder by PLC

Oil Separator

- Low oil content in output compressed air (3ppm)
- Low fuel consumption
- Low pressure drops
- Long maintenance cycle
- Automatic replacement reminder by PLC



45 °C environment friendly enlarged Radiator

- oil-cooled water-cooled side-by-side cooling to achieve even cooling;
- Unique fin and channel design, good heat dissipation, easy to clean;
- Low-speed, low-noise axial fan;
- Vertical exhaust, optimize cooling effect

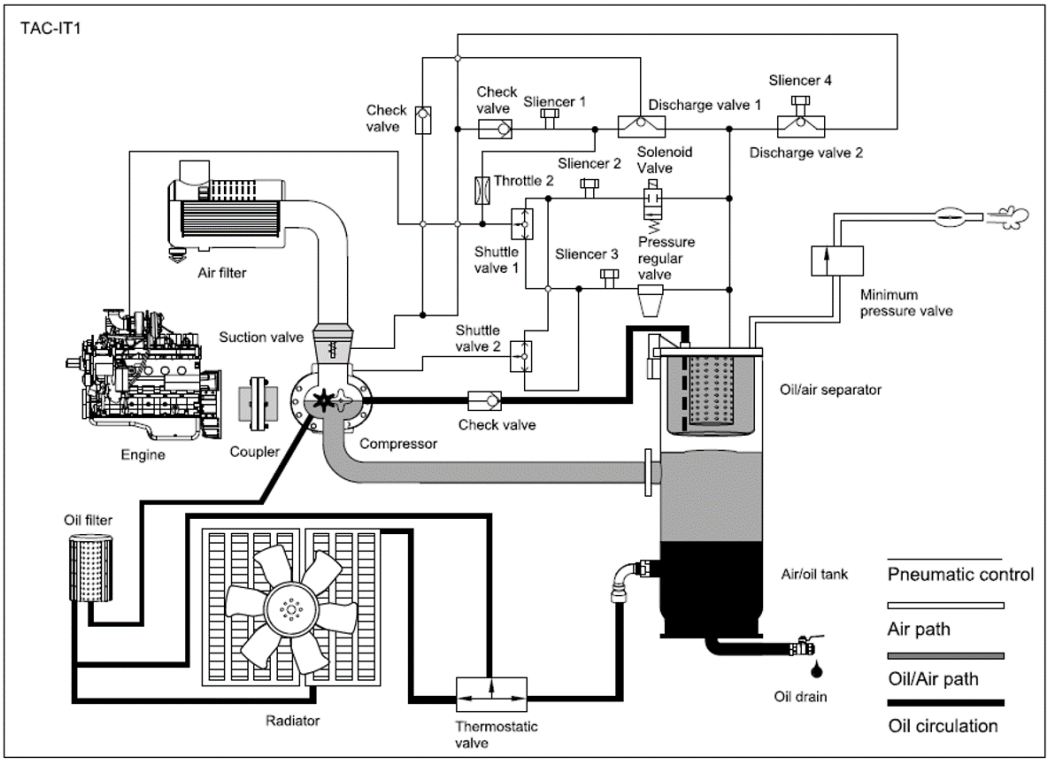
PLC Control System

- Microprocessor control;
- Monitoring operational parameters in real time;
- Parameters display, like engine speed, running time and discharge pressure etc;
- Multiple protections and alarm indicators;
- Automatic shutdown protection features for safe running.

Patented and 1-100% displacement friendly pipe system

- Large diameter pipe and short length — minimize internal pressure drop
- Soft hose —enhances vibration resistance; reduces noise
- SAE-O ring seals - the most effective seal prevention structure

AIR AND OIL PATH SYSTEM



SPARE PARTS

For compressor	For engine
Consumable parts	Consumable parts
Air filter	Air filter
Lubricant oil filter	Engine oil filter
Oil/air separator	Engine oil
Lubricant oil	Fuel filter
Spare parts	
Air intake valve, Thermostat Valve, Minimum pressure valve, Solenoid valve	
Seal rings	

DR-1 SERIES
AIR COMPRESSOR

Rate of flow: 100-1589CFM

S/P = Stationary/Portable

Model	Air Flow		Pressure	Engine				Dimensions	Weight	Structure Type
	m³/min	cu.ft/min	Bar	Model	Emission	PRM	KW	mm	KG	
DR135-8	3.10	109	8	4D2.3A-C41	Tier 2	2600	30	2195*1104*1007	1036	S/P
DR135-10	3.77	133	10	4D2.7A-C54	Tier 2	2700	40	2173*1104*1007	1162	S/P
DR200-7	5.60	198	7	4D2.7A-C54	Tier 2	2700	40	2173*1104*1007	1162	S/P
DR285-8	8.00	282	8	4DT3.2C-C75	Tier 2	2500	55	2560*1448*1707	1565	S/P
DR275-8	7.77	274	8	4DTA3.5C-C100	Tier 2	2200	68	2620*1456*1714	1660	S/P
DR400-8	12.00	424	8	4BTA3.9-C125	N/A	2200	93	2560*1340*1570	2090	S/P
DR400-10	8.90	314	10	4BTA3.9-C125	N/A	2200	93	2560*1340*1570	1830	S/P
DR520-8/10	14.75	521	8	6BTA5.9-C180	N/A	2200	132	2676*1456*1570	1736	S/P
DR600-8	16.85	595	8	6BTA5.9-C180	N/A	2200	132	3613*1633*1819	2500	S/P
DR750-8	21.00	741	8	6CTA8.3-C240	N/A	1900	176	3900*1850*1400	3550	S/P
DR750-10	20.70	731	10	6CTA8.3-C240	N/A	1900	176	4038*1500*1850	3184	S/P
DR950-8	23.90	844	8	6CTA8.3-C260	N/A	1900	195	3900*1850*1400	3205	S/P
DR950-10	26.20	925	10	6LTAA8.9-C360	N/A	2000	256	4697*2150*2462	5231	S/P
DR1200-8	33.50	1183	8	6LTAA8.9-C360	N/A	1900	250	4697*2150*2462	5231	S/P
DR1250-8	35.20	1243	8	6LTAA8.9-C360	N/A	2000	256	4697*2150*2462	5231	S/P
DR250-13	7.62	269	13	4DT3.5C-C100	N/A	2200	68	2173*1104*1007	1162	S/P
DR300-13	8.77	310	13	4BTA3.9-C125	N/A	2200	93	2560*1448*1707	1565	S/P
DR420-13	11.90	420	13	6BTA5.9-C180	N/A	2200	132	2620*1456*1714	1660	S/P
DR500-13	14.42	509	13	6BTA5.9-C180	N/A	2200	132	2560*1340*1570	2090	S/P
DR600-13	17.27	610	13	6CTA8.3-C240	N/A	1900	176	3613*1633*1819	2500	S/P
DR700-13	20.13	711	13	6CTA8.3-C260	N/A	1900	195	3695*1410*1841	2504	S/P
DR900-13	25.04	884	13	6LTAA8.9-C360	N/A	1900	250	4038*1500*1850	3184	S/P
DR950-13	26.78	945	13	6LTAA8.9-C360	N/A	2000	256	3900*1850*1400	3205	S/P
DR1450-13	38.90	1373	13	QSZ13-C500-II	Tier 2	1800	383	4697*2150*2462	5231	S/P
DR1600-13	45.00	1589	13	QSZ13-C500-II	Tier 2	1900	383	4697*2150*2462	5231	S/P
DR430-17	10.60	374	17	6BTA5.9-C180	N/A	2200	132	2620*1456*1714	2090	S/P
DR550-17	14.30	505	17	6CTA8.3-C240	N/A	1900	176	3613*1633*1819	2500	S/P
DR700-17	15.60	551	17	6CTA8.3-C260	N/A	1900	195	2560*1340*1570	2090	S/P
DR800-17	21.20	748	17	6LTAA8.9-C360	N/A	1900	250	3695*1410*1841	2504	S/P
DRH700-24	20.22	714	25	6LTAA8.9-C360	N/A	1900	250	3900*1850*1400	3205	S/P
DRH1100-24	30.70	1084	25	QSZ13-C500-II	Tier 2	1800	383	4697*2150*2462	5231	S/P
DRH1250-24	34.80	1228	24	QSZ13-C500-II	Tier 2	1900	383	4697*2150*2462	5231	S/P
DRH600-17	16.10	568	17	6CTA8.3-C240	N/A	1900	176	2620*1456*1714	1660	S/P
DRH700-17	18.60	657	17	6CTA8.3-C260	N/A	1900	195	2560*1340*1570	2090	S/P
DRH800-17	23.08	815	17	6LTAA8.9-C360	N/A	1900	250	3695*1410*1841	2504	S/P

DR-2 SERIES AIR COMPRESSOR

Rate of flow: 100-1525CFM

S/P = Stationary/Portable

Model	Air Flow		Pressure (Bar)	Engine				Dimensions	Weight	Structure Type
	m^3/min	cu.ft/min		Model	Emission	PRM	KW	mm	KG	
DR110-8	3.10	109	8.0	4D2.3A-C41	Tier 2	2600	30	2195*1104*1007	1036	S/P
DR160-8/10	4.50	159	8.0	4D2.7A-C54	Tier 2	2700	40	2173*1104*1007	1162	S/P
DR185-7	5.80	185	7.0	4D2.7A-C54	Tier 2	2700	40	2173*1104*1007	1162	S/P
DR200-8/10	5.95	210	8.0	4DT3.2C-C75	Tier 2	2500	55	2560*1448*1707	1565	S/P
DR250-8/10	6.8	240	8.0	4DTA3.5C-C100	Tier 2	2200	68	2620*1456*1714	1660	S/P
DR380-8	11.00	388	8.0	4BTA3.9-C125	N/A	2200	93	2560*1340*1570	2090	S/P
DR560-8/10	15.90	561	8.0	6BTA5.9-C180	N/A	2200	132	2676*1456*1570	1736	S/P
DR600-8	16.92	597	8.0	6BTA5.9-C180	N/A	2200	132	3613*1633*1819	2500	S/P
DR650-10	18.47	652	10.0	6CTA8.3-C240	N/A	1900	176	3900*1850*1400	3550	S/P
DR850-8	23.81	840	8.0	6CTA8.3-C240	N/A	1900	176	4038*1500*1850	3184	S/P
DR850-8	24.10	851	8.0	6CTA8.3-C260	N/A	1900	195	3900*1850*1400	3205	S/P
DR950-10	26.25	927	10.0	6LTAA8.9-C360	N/A	2000	256	4697*2150*2462	5231	S/P
DR1200-8	33.50	1183	8.0	6LTAA8.9-C360	N/A	1900	250	4697*2150*2462	5231	S/P
DR1350-8	38.54	1360	8.0	6LTAA8.9-C360	N/A	2000	256	4697*2150*2462	5231	S/P
DR200-13	6.50	229	13.0	4DT3.5C-C100	N/A	2200	68	2173*1104*1007	1162	S/P
DR300-13	8.40	297	13.0	4BTA3.9-C125	N/A	2200	93	2560*1448*1707	1565	S/P
DR430-13	11.97	423	13.0	6BTA5.9-C180	N/A	2200	132	2620*1456*1714	1660	S/P
DR520-13	14.91	526	13.0	6BTA5.9-C180	N/A	2200	132	2560*1340*1570	2090	S/P
DR650-13	18.70	660	13.0	6CTA8.3-C240	N/A	1900	176	3613*1633*1819	2500	S/P
DR800-13	23.56	832	13.0	6CTA8.3-C260	N/A	1900	195	3695*1410*1841	2504	S/P
DR1000-13	28.64	1011	13.0	6LTAA8.9-C360	N/A	1900	250	4038*1500*1850	3184	S/P
DR1050-13	29.51	1042	13.0	6LTAA8.9-C360	N/A	2000	256	3900*1850*1400	3205	S/P
DR1500-13	43.21	1525	13.0	QSZ13-C500-II	Tier 2	1800	383	4697*2150*2462	5231	S/P
DR430-17	11.64	411	17.0	6BTA5.9-C180	N/A	2200	132	2620*1456*1714	2090	S/P
DR550-17	14.65	517	17.0	6CTA8.3-C240	N/A	1900	176	3613*1633*1819	2500	S/P
DR600-17	16.32	576	17.0	6CTA8.3-C240	N/A	1900	176	2620*1456*1714	1660	S/P
DR700-17	18.50	653	17.0	6CTA8.3-C260	N/A	1900	195	2560*1340*1570	2090	S/P
DR750-17	21.32	753	17.0	6LTAA8.9-C360	N/A	1900	250	3695*1410*1841	2504	S/P
DR900-17	25.83	912	17.0	6LTAA8.9-C360	N/A	1900	256	3900*1850*1400	3550	S/P
DR780-24	21.03	742	24.0	6LTAA8.9-C360	N/A	1900	250	3900*1850*1400	3205	S/P
DR1250-24	35.1	1239	24.0	QSZ13-C500-II	Tier 2	1800	383	4697*2150*2462	5231	S/P
DR1250-24	34.8	1228	24.0	QSZ13-C500-II	Tier 2	1900	383	4697*2150*2462	5231	S/P

DS-1 SERIES AIR COMPRESSOR

Rate of flow: 30-300CFM

S/P = Stationary/Portable

Model	Air Flow		Pressure (Bar)	Engine				Dimensions	Weight	Structure Type
	m³/min	cu.ft/min		Model	Emission	PRM	KW	mm	KG	
DS120-7	3.49	123	7.0	V1505-T-E3B	Tier 3	3000	33	2201*1104*1007	994	S/P
DS185-7	5*	185	7.0	V1505-T-E3B	Tier 3	3000	33	2107*1099*1004	1003	S/P
DS200-7	5.64	199	7.0	V2403-M-T-E3B	Tier 3	2700	44	2107*1099*1004	1003	S/P
DS60-8	1.05	37	8.0	D722-E3B		3600	14.9	1852*923*939	697	S/P
DS80-8	1.88	66	8.0	D1105-T-E3B	Tier 3	3000	18.5	1852*923*939	697	S/P
DS350-8	9.19	324	8.0	V3800DI-T-E3B	Tier 3	2600	74	2183*1104*1007	908	S/P
DS120-10	3.46	122	10.0	V1505-T-E3B		3000	33	2107*1099*1004	1003	S/P
DS200-10	5.6	198	10.0	V2403-M-T-E3B	Tier 3	2700	44	2107*1099*1004	1003	S/P
DS250-10	6.81	240	10.0	V3600-T-E3B	Tier 3	2600	63	2107*1104*1004	1041	S/P
DS200-12.5	5.36	189	12.5	V3600-T-E3B		2600	63	2107*1104*1004	1041	S/P
DS285-12.5	8.14	287	12.5	V3800DI-T-E3B	Tier 3	2600	74	2183*1104*1007	908	S/P

DS-2 SERIES AIR COMPRESSOR

Rate of flow: 60-300CFM

S/P = Stationary/Portable

Model	Air Flow		Pressure (Bar)	Engine				Dimensions	Weight	Structure Type
	m³/min	cu.ft/min		Model	Emission	PRM	KW	mm	KG	
DS185-7	3.97	140	7.0	KUBOTA	Tier 3	3000	33	2201*1104*1007	994	S/P
DS185-7	5*	185	7.0	KUBOTA	Tier 3	3000	33	2107*1099*1004	1003	S/P
DS200-7	5.1	180	7.0	KUBOTA	Tier 3	2700	44	2107*1099*1004	1003	S/P
DS60-8	1.28	60	8.0	KUBOTA		3600	14.9	1852*923*939	697	S/P
DS80-8	2.3	81	8.0	KUBOTA	Tier 3	3000	18.5	1852*923*939	697	S/P
DS375-8	8.01	363	8.0	KUBOTA	Tier 3	2600	74	2183*1104*1007	908	S/P
DS120-10	3.89	110	10.0	KUBOTA		3000	33	2107*1099*1004	1003	S/P
DS185-10	4.45	185	10.0	KUBOTA	Tier 3	2700	44	2107*1099*1004	1003	S/P
DS200-10	6.1	200	10.0	KUBOTA	Tier 3	2600	63	2107*1104*1004	1041	S/P
DS200-12.5	5.85	200	12.5	KUBOTA		2600	63	2107*1104*1004	1041	S/P
DS285-12.5	6.8	284	12.5	KUBOTA	Tier 3	2600	74	2183*1104*1007	908	S/P

PRODUCT CONFIGURATION

Standard configuration

Item	Unit	Quantity
Diesel engine	set	1
Air end	set	1
PLC control cabine	set	1
Intake valve	set	1
Oil/air vessel	set	1
Radiator	set	1
Fuel filter	set	1
Air filter	set	1
Oil filter	set	1
Oil/air separator	set	1
Fuel tank	set	1
Muffler	set	1
Battery	set	1
Coupling	set	1

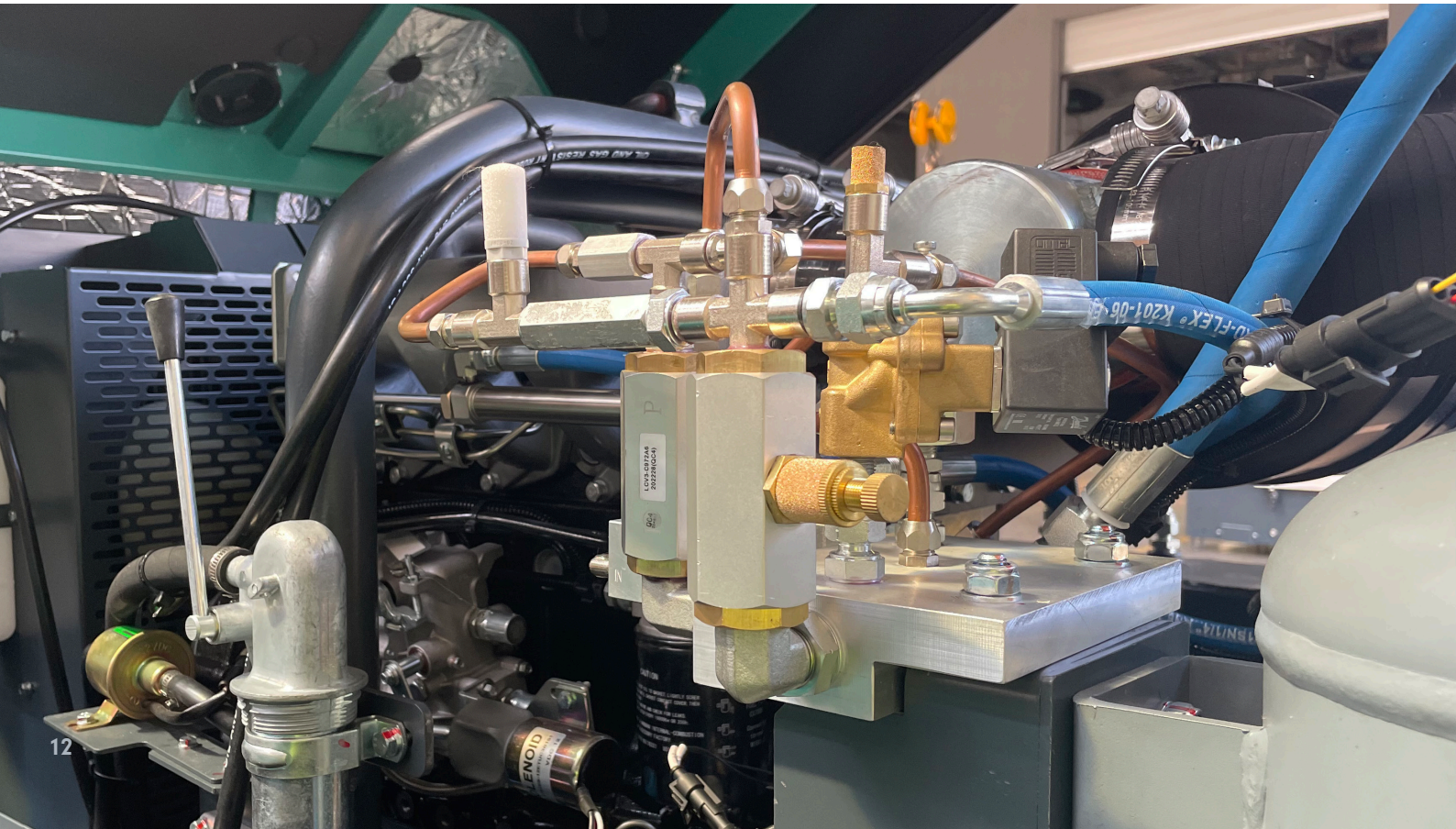
Optional configuration

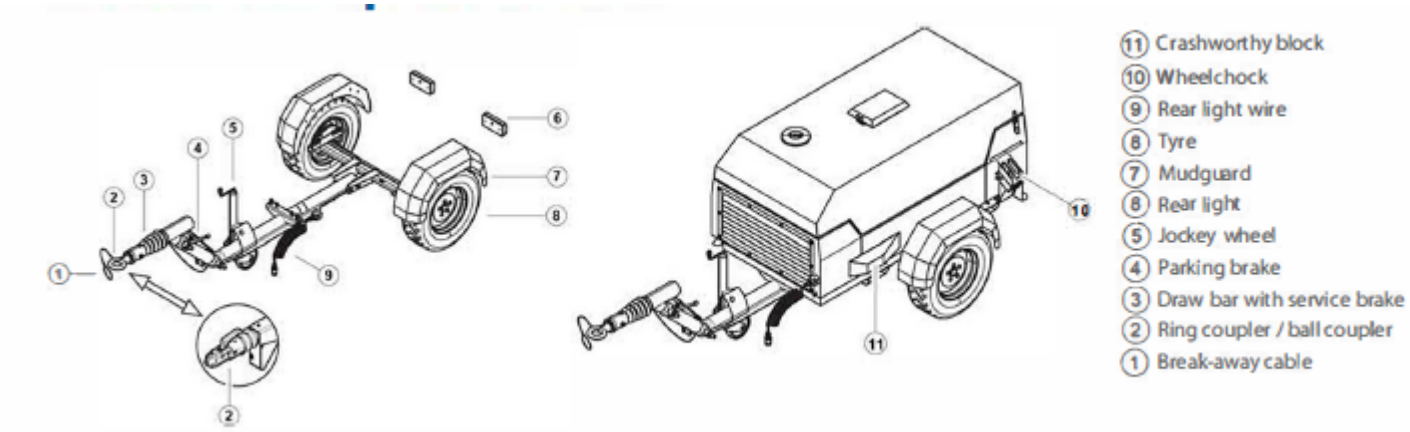
Item	Unit	Quantity
Jacket water preheater	set	1
Space heater	set	1
Trailer	set	1

Optional Trailer

Makes your air compressor portable and mobile

Trailer Type	Configuration
Road standard	Including tail light, tail light connector, tail light wiring harness and outrigger
Off-road standard	Including reflector, rubber sealing plug, outrigger, fender, block and fixed bolt.





Mod
Goose neck type mob with adjustable traction height

Traction ring
The centroid of sing-axle trailer gen set lies in the front of axle, load of towing ring is 60-120kg.

Wheel and tyre
Adopt vacuum tyre

Service braking
Road standard ; Off-road standard

Ground clearance
Regarding intensive trailer, within 1 m range between front and back of axle, ground clearance is larger than 100mm.

As for discrete trailer, with respect to over 1 m distance between centers of two nearby axles, 33.33mm ground clearance should be increased for each exceeded 1 m.Ubi pra nost inprae que aur. Ahales periviris hic videnen atiur, nos etraelaritia tilibuntrei inatiam prox

Safety chain

Compressor Set Weight	Qty. of Safety Chain	Specification
ATM>2.ST	1	
2.ST <ATM< 3.ST	2	
3.5<ATM<4.3T	2	Chain Diameter ≥7. 1 mm andthe load of chain scission ≥ 6.4T;
4.3<ATM<4.ST	2	Chain Diameter ≥ 9.5mm, the load of chain scission ≥ 11.6T;

Draw bar
Safety Chain Linkage

- The chain won't link with trailer forever through hook;
- Safety chain linkage can independently bear the following external forces without causing transformation,flaw or breakage:
- Radial drawing force—1.Sx9.81 xATM (N};
- Vertical drawing force—O.Sx9.81 xATM (N};
- ATM—total weight of trailer and tractor when overloading.
- Parking braking
- No service braking for below 0.75T, mechanical braking for trailer from 0.75T to 3.ST;
- No hand brake for below 0.75T, as for above 0.75T, hanging and semi-hanging trailers are equipped with Parking braking and chock.
- Braking device must ensure reliable braking from up and down when trailer is on the 26% (15°) slope.
- Off-road standard trailer has no service braking.
- Trafficability
- Distance between base and floor is greater than 250mm;
- The angle between axle's front and rear parts and tangent surface and floor is larger than 19°.

OPTIONAL ENGINE WITH EMISSION STANDARDS

Our diesel driven screw air compressors' main features are: strong power, stable performance, efficiency and environmental friendliness. From stationary units to portable sets, it is all designed to provide our clients with a range of options to satisfy different application needs.

SALES AND SERVICE SUPPORT

We successfully delivered 125000 units to worldwide users in 98 countries.
PowerLink provides customers with sufficient, fast and high quality product supply and service.

PREMIUM SUPPORT AND SERVICE ALWAYS AT YOUR SIDE

With two in-house service teams and a nationwide service network, we capable of providing full on site service and workshop repairs to major city areas and sites across the South Pacific region.

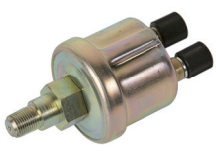
WE CAN ASSIST YOU WITH:

- Commissioning and testing
- Field service and repairs
- On-site debugging, Workshop service, testing, and repair
- Periodic inspections and planned corrective maintenance schedules
- Major inspections and repairs
- Supply genuine and aftermarket spare parts

PARTS

WE PROVIDE ALL HERE AT POWERLINK

PowerLink stock of spare parts, which is packaged and stored in our modernised warehoouse, constantly being monitored by our advanced stock management system. With this attention to detail we can ensure you a promptresponse to your needs with improved lead times on all our spare parts. PowerLink's on-line parts aolution platform allows users the freedom to access the spare parts division in order to provide you with the best solutions in the most efficient manner. The following parts are regularly stocked for your convenience: **Enginemaintenance spare parts, control modules, and maintenance tools.** Purchased all of our spare parts directly from the manufactures we deal with to ensure all our parts are **100% genuine.**



POWERINK

Energy Systems

www.powerlinkenergy.com